

Joe Davey

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Summary

Full-stack software developer specializing in Angular, TypeScript, and .NET applications. Experienced building and maintaining enterprise healthcare systems, automating complex workflows, and deploying services within cloud environments.

Comfortable working across frontend, backend, and automation tooling. Experience operating in secure enterprise environments (Citrix VDI) with strict data privacy requirements.

Technical Skills

- **Frameworks & Platforms:** Angular, React, .NET, Node.js
- **Languages:** TypeScript, JavaScript, C#, Python, SQL
- **Cloud Platforms:** Azure, AWS
- **Automation & Testing:** Playwright, Cypress, Jest, xUnit, Pytest, end-to-end testing
- **Databases:** SQL, T-SQL
- **Tools:** Git, CI/CD, Docker, GitHub, Azure DevOps, Jira
- **Certifications:** AWS Certified Cloud Practitioner

Professional Experience

11:59

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Senior Software Developer | Remote

Mar 2022 – Present

- Develop and maintain enterprise healthcare applications across frontend, backend, and cloud systems using Angular, TypeScript, .NET, T-SQL, and Azure, supporting complex healthcare data workflows
- Modernize large legacy Angular codebases, improving maintainability and enabling continued feature development
- Implement backend APIs and services in C#/.NET to support secure data exchange across regulated environments
- Write and maintain unit and integration tests (xUnit, Jest) to stabilize legacy systems and validate business-critical application logic

Selected Project Work (11:59)

Automation & Systems Work

- Built a **Node.js + Playwright automation system** to identify duplicate medical records across enterprise healthcare systems
- Automated a previously manual record comparison workflow and replaced an expensive RPA-based solution
- Deployed within Azure container infrastructure and integrated into existing operational processes
- Reduced manual workload and saved the client ~\$300K annually

Testing Infrastructure (AWS / Python)

- Developed a Python pytest testing library for validating AWS Step Functions workflows in an Intelligent Document Processing pipeline
- Introduced unit testing across Angular applications and automation systems, raising coverage from 0% to 85%+ and improving system reliability

Platform / Environment Experience

- Support deployment and operation of services in Azure, including CI/CD workflows and containerized systems
- Served as a core contributor on client engagements to adopt **AI-assisted** development tools (GitHub Copilot, Amazon Q), supporting engineering productivity improvements
- Develop software within **secure Citrix VDI environments** supporting systems with strict data privacy and regulatory requirements